

Attorney Docket No. VX042586

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of:

Inventor(s) : Junichi Terasaki *et al.*  
Serial Number : 10/759,433  
Filed : January 20, 2004  
For : METHOD AND SYSTEM FOR TREATING EXHAUST GAS  
FROM CEMENT MANUFACTURING EQUIPMENT  
Examiner : Robert A. Hopkins  
Group Art Unit : 1724

**INFORMATION DISCLOSURE STATEMENT UNDER  
37 C.F.R. § 1.97 AND 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

October 31, 2004

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 applicant hereby notifies the United States Patent and Trademark Office of the documents which are listed on the attached PTO-1449 form and which the examiner may deem relevant to the patentability of the claims in the above-identified application. One copy of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed (without a Certification under 37 C.F.R. § 1.97(e)) after the later of three months from the

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application's filing date and the mailing date of an Office action on the merits, but before a final Office action or notice of allowance (whichever is earlier), and therefore a check for the statutory fee of \$180.00 under 37 C.F.R. § 1.17(p) is attached.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for the listed foreign language document, and English-language abstract is attached to each document. In addition, an English translation of the claims and detailed description translated by computer, which is provided by Japan Patent Office, is attached to each document. Additional comments are set forth below.

JP 7-138054 A:

Paragraph [0013] and Fig.1 of JP 7-138054 A propose that a part of dust in the hopper 4 fed from the dust collector 3 is fed into the firing furnace 1 having a temperature of 1,000°C or more.

Paragraph [0012] and Fig.1 of JP 7-138054 A propose that the other part of dust in the hopper 4 fed from the dust collector 3 is mixed with other raw materials in the mixer 6, and is fed into a firing furnace 1.

JP 7-138054 A does not disclose the art of feeding a part of the collected dust into a place having a temperature of at least 800°C, and feeding the remainder of the collected dust into a place having a temperature below 800°C.

JP 9-52742 A:

Paragraphs [0012], [0013] and Fig. 1 of JP 9-52742 A proposed that the imaginary line 12' shows the alternative of the return duct 12 of coarse-grain dust 3b. However, JP 9-52742 A does not disclose the use of the imaginary line 12' in combination with the return duct 12.

JP 11-19623 A:

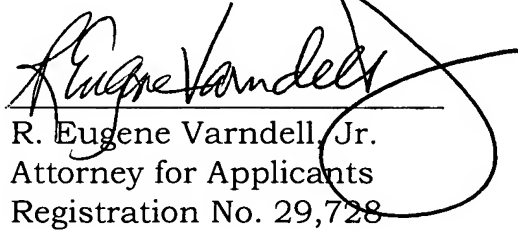
Paragraph [0009] of JP 9-52742 A proposes the art of throwing contaminant-incinerated ash containing dioxins into the cement kiln. However, the ash thrown into the cement kiln in this document is not the same as the dust of the present invention.

It is respectfully requested that the examiner initial or otherwise mark one copy of forms PTO-1449 and forward the same to the applicants indicating that the documents listed thereon have been considered.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

In the event that this paper is not timely filed, applicant hereby petitions for an appropriate extension of time. The Commissioner is hereby authorized to charge the fee therefor, as well as any deficiency in the payment of the required fee(s) or credit any overpayment, to our deposit account No.50-1147.

Respectfully submitted,  
POSZ LAW GROUP, PLC



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\* PATENT APPLICATION

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|---------------|---------------|------------------------------|----------|------------|
| FORM PTO-1449 | ATTY. DKT NO. | VX042586                     | SER. NO. | 10/759,433 |
|               | APPLICANT     | Tadashi MORITA <i>et al.</i> |          |            |
|               | FILING DATE   | January 20, 2004             | GROUP    | 1724       |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |  | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB<br>CLASS |
|---------------------|--|--------------------|------|------|-------|--------------|
|                     |  |                    |      |      |       |              |
|                     |  |                    |      |      |       |              |
|                     |  |                    |      |      |       |              |

FOREIGN PATENT DOCUMENTS

|  |  |                    |            |         |                            |     | TRANSLATION |                  |
|--|--|--------------------|------------|---------|----------------------------|-----|-------------|------------------|
|  |  | DOCUMENT<br>NUMBER | DATE       | COUNTRY | NAME                       | YES | NO          |                  |
|  |  |                    |            |         |                            |     |             | Eng.<br>Abstract |
|  |  | JP 7-138054 A      | 05-30-1995 | Japan   | Chichibu Onoda Cement Corp | X   |             | X                |
|  |  | JP 9-52742 A       | 02-25-1997 | Japan   | Chichibu Onoda Cement Corp | X   |             | X                |
|  |  | JP 11-19623 A      | 01-26-1999 | Japan   | Mitsubishi Materials Corp  | X   |             | X                |
|  |  |                    |            |         |                            |     |             |                  |
|  |  |                    |            |         |                            |     |             |                  |

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|          |  |                 |
|----------|--|-----------------|
|          |  |                 |
| EXAMINER |  | DATE CONSIDERED |